

<b>GEARTECH</b>	CHECKLIST			No. CK4400	SHEET 1 OF 2
				Rev. A	
Seal Design Audit				BY RLE	DATE 9/27/99
				CKD JRM	DATE 9/27/99
SEAL DATA					
Question	Y	N	R	Comments	
Do drawings specify the following data?					
Seal manufacturer?					
Seal type?					
Seal size?					
Seal material?					
Seal clearance (interference) with shaft?					
Shaft diameter, surface roughness, and tolerances for sealing surface?					
Housing diameter, surface roughness, and tolerances for fit with seal?					
ASSEMBLY					
Question	Y	N	R	Comments	
Has gearbox assembly been reviewed to assess risk of damage to seal components?					
Are there procedures for seal assembly?					
Are clearances (interferences) with shaft per seal manufacturers recommendations?					
Are boundary dimensions per seal manufacturers recommendations?					
Are fixtures for assembly available?					
SEAL DESIGN					
Question	Y	N	R	Comments	
Are external V-rings used to protect oil seals from contamination?					
Are labyrinth seals specified (preferred)?					
Do labyrinth seals have proper clearances?					
Do labyrinth seals have at least two grooves?					
Are labyrinth seals above oil level?					
Are lip seals single lip?					
Are lip seals Viton?					
Are lip seal materials compatible with lubricant?					
Are lip seals capable of accommodating shaft endplay?					
Are lip seals capable of accommodating shaft heat?					

[illegible]